

Zeitschrift für

Parasitenkunde

Parasitology Research

Vol. 70 · 1984

Editors

B.M. Honigberg H. Mehlhorn H.M. Seitz W. Wülker

Editorial Board

M. Aikawa, Cleveland
I.B.R. Bowman, Edinburgh
C.F.A. Bruijning, Leiden
A. Capron, Lille
A.G. Chabaud, Paris
G.C. Coles, Amherst
J. Eckert, Zürich
J.K. Frenkel, Kansas City
T.A. Freyvogel, Basel
K.T. Friedhoff, Hannover
R. Gönner, Wuppertal
P. Götz, Berlin
Ch. Greenblatt, Jerusalem
H. Hoogstraal, Cairo

L. Jenni, Basel
P. Köhler, Zürich
R.D. Lumsden, New Orleans
G.A. Maekelt, Caracas
E.A. Meuleman, Amsterdam
R. Nussenzweig, New York
E.J. Ruitenbergh, Bilthoven
P.M. Schantz, Atlanta
J.D. Smyth, London
E.J.L. Soulsby, Cambridge
R.C.A. Thompson, Murdoch
G.M. Urquhart, Glasgow
C. Vaucher, Genf
K. Vickerman, Glasgow



Springer International

Zeitschrift für Parasitenkunde

was founded in 1928. Volumes 1–7 named "Zeitschrift für wissenschaftliche Biologie", Dept. F. "Zeitschrift für Parasitenkunde" edited by A. Hase. From Volume 21 edited by G. Piekarski, from Vol. 44 (1974) edited by B.M. Honigberg and G. Piekarski; from Vol. 45 (1974) edited by B.M. Honigberg, G. Piekarski and W. Wülker; from Vol. 53 (1977) edited by J. Eckert, B.M. Honigberg, G. Piekarski and W. Wülker; from Vol. 67 (1982) edited by J. Eckert, B.M. Honigberg, H. Mehlhorn, G. Piekarski, H.M. Seitz and W. Wülker; from Vol. 68 (1982) edited by B.M. Honigberg, H. Mehlhorn, H.M. Seitz and W. Wülker; Organ der Deutschen Gesellschaft für Parasitologie

Submission of a manuscript implies: that the work described has not been published before (except in the form of an abstract or as part of a published lecture, review, or thesis); that it is not under consideration for publication elsewhere; that its publication has been approved by all coauthors, if any, as well as by the responsible authorities at the institute where the work has been carried out; that, if and when the manuscript is accepted for publication, the authors agree to automatic transfer of the copyright to the (publisher, society); and that the manuscript will not be published elsewhere in any language without the consent of the copyright holders.

All articles published in this journal are protected by copyright, which covers the exclusive rights to reproduce and distribute the article (e.g., as offprints), as well as all translation rights. No material published in this journal may be reproduced photographically or stored on microfilm, in electronic data bases, video disks, etc., without first obtaining written permission from the publisher.

The use of general descriptive names, trade names, trademarks, etc., in this publication, even if not specifically identified, does not imply that these names are not protected by the relevant laws and regulations.

While the advice and information in this journal is believed to be true and accurate at the date of its going to press, neither the authors, the editors, nor the publisher can accept any legal responsibility for any errors or omissions that may be made. The publisher makes no warranty, express or implied, with respect to the material contained herein.

Special regulations for photocopies in the USA: Photocopies may be made for personal or in-house use beyond the limitations stipulated under Section 107 or 108 of U.S. Copyright Law, provided a fee is paid. This fee is US\$ 0.20 per page, or a minimum of US\$ 1.00 if an article contains fewer than five pages. All fees should be paid to the Copyright Clearance Center, Inc., 21 Congress Street, Salem, MA 01970, USA, stating the ISSN 0044-3255, the volume, and the first and last page numbers of each article copied. The copyright owner's consent does not include copying for general distribution, promotion, new works, or resale. In these cases, specific written permission must first be obtained from the publisher.

Other regulations: Authors publishing in this journal can, under certain conditions, benefit from library and photocopy fees collected by VG WORT. Authors resident in the Federal Republic of Germany or in West Berlin can apply to Verwertungsgesellschaft WORT, Abteilung Wissenschaft, Goethestraße 49, D-8000 München 2, for detailed information.

Printers: Universitätsdruckerei H. Stürtz AG, Würzburg
© by Springer-Verlag Berlin Heidelberg 1984

Contents

Rudolf Wetzel: 9.4.1895–4.1.1983	1
Albert Westphal 75 Jahre	425
Otto Pflugfelder 80 Jahre	427
Rudolf Lehmensick 85 Jahre	565
Fritz Weyer 80 Jahre	567
Abdel-Hafez, S.K., Phillips, S.M., Zodda, D.M.: <i>Schistosoma mansoni</i> : Detection and characterization of schistosome derived antigens by inhibition enzyme-linked immunosorbent assay (IELISA) utilizing monoclonal antibodies	105
Abney, E.R., s. McLaren, D.J., et al.	381
Aeschlimann, A., s. Péter, O., et al.	265
Ahmed, J.S., Rehbein, G., Schein, E.: Characterization of <i>Theileria</i> infected lymphoblastoid cells (Short Communication)	819
Aitken, P.P., s. Hay, J., et al.	575
Ajlouni, A.Q., Saliba, E.K., Disi, A.M.: Intestinal cestodes of stray dogs in Jordan	203
Akood, M.A.S., s. Carlin, J.M., et al.	589
Armour, J., s. Al Saqur, I., et al.	809
Bailey, M., Lloyd, S., Martin, S.C., Soulsby, E.J.L.: In vitro induction of lymphocyte responsiveness by a <i>Strongylus vulgaris</i> -derived mitogen	229
Bairden, K., s. Al Saqur, I., et al.	809
Bashtar, A.-R., Boulos, R., Mehlhorn, H.: <i>Hepatozoon aegypti</i> nov. sp. 1. Life cycle	29
Bashtar, A.-R., Ghaffar, F.A., Mehlhorn, H.: <i>Hepatozoon aegypti</i> nov. sp. 2. Electron microscope studies on the erythrocytic stages and schizogony inside the snake, <i>Spalerosophis diadema</i>	43
Bashtar, A.-R., Ghaffar, F.A., Mehlhorn, H.: <i>Hepatozoon aegypti</i> nov. sp. 3. Electron microscope studies on the gamogony and sporogony inside the vector <i>Culex pipiens molestus</i>	53
Beardsell, P.L., Howell, M.J.: Killing of <i>Taenia hydatigena</i> oncospheres by sheep neutrophils	337
Beltran, F., s. McLaren, D.J., et al.	381
Berzins, K., s. Carlsson, J., et al.	599
Bianco, A.E.: Laboratory maintenance of <i>Monanema globulosa</i> , a rodent filaria with skin-dwelling microfilariae	255
Bjerkås, I., Mohn, S.F., Presthus, J.: Unidentified cyst-forming Sporozoön causing encephalomyelitis and myositis in dogs (Short Communication)	271
Blas, B.L., s. Kamiya, H.	823
Bock, D.: The life cycle of <i>Plagiorchis spec. 1</i> , a species of the <i>Plagiorchis elegans</i> group (Trematoda, Plagiorchiidae)	359
Böker, C.A., Schaub, G.A.: Scanning electron microscopic studies of <i>Trypanosoma cruzi</i> in the rectum of its vector <i>Triatoma infestans</i>	459
Borgsteede, F.H.M.: Helminth parasites of wild foxes (<i>Vulpes vulpes</i> L.) in The Netherlands	281
Boulos, R., s. Bashtar, A.-R., et al.	29
Bourgat, R., s. Oliver, G., et al.	499
Brain, P.F., s. Molan, A.L., et al.	627
Brandis, H., s. Sethi, K.K., et al.	699
Brown, D.S., Sarfati, C., Southgate, V.R., Ross, G.C., Knowles, R.J.: Observations on <i>Schistosoma intercalatum</i> in south-east Gabon	243
Büscher, G., Katende, J., Otim, B., Morrison, W.J.: Infection of the host cells of <i>Theileria annulata</i> with <i>T. parva</i> (Short Communication)	687
Büttner, D.W., s. Franz, M., et al.	515
Burgdorfer, W., s. Péter, O., et al.	265
Carlin, J.M., Vande Waa, J.A., Jensen, J.B., Akood, M.A.S.: African serum interference in the determination of chloroquine sensitivity in <i>Plasmodium falciparum</i>	589
Carlsson, J., Berzins, K., Perlmann, P.: Immunoelectrophoretic analysis of erythrocytic stages of <i>Plasmodium yoelii</i> and <i>P. chabaudi</i>	599

Castanys, S., Osuna, A., Gamarro, F., Ruiz-Pérez, L.M.: Purification of metacyclic forms of <i>Trypanosoma cruzi</i> by Percoll discontinuous gradient centrifugation	443
Chadee, K., Meerovitch, E.: <i>Entamoeba histolytica</i> : antibody responses and lymphoreticular changes in gerbils (<i>Meriones unguiculatus</i>) in response to experimental liver abscess and amebic extract injection	781
Chapman, H.D.: Development by genetic recombination of a line of <i>Eimeria tenella</i> resistant to robenidine, decoquinat and amprolium	437
Chatelangat, P., s. Péter, O., et al.	265
Chatterjee, D.K., Raether, W., Iyer, N., Ganguli, B.N.: Caerulomycin, an antifungal antibiotic with marked in vitro and in vivo activity against <i>Entamoeba histolytica</i>	569
Chobotar, B., s. Danforth, H.D., et al.	165
Choromański, L., s. Kuczyńska, K., et al.	141
Chowdhury, N., DeRycke, P.H., Grembergen, G. van: Effects of ox bile on the growth and organogenesis of <i>Hymenolepis microstoma</i> in vitro	73
Christensen, N.Ø., s. Fagbemi, B.O.	663
Cioli, D., s. Popiel, I., et al.	421
Commins, M.A., s. Goodger, B.V., et al.	321
Conn, D.B., Etges, F.J.: Fine structure and histochemistry of the parenchyma and uterine egg capsules of <i>Oochoristica anolis</i> (Cestoda: Linstowiidae)	769
Danforth, H.D., Chobotar, B., Entzeroth, R.: Cellular pathology in mouse embryonic brain cells following in vitro penetration by sporozoites of <i>Eimeria papillata</i>	165
Deelder, A.M., s. El-Dosoky, I., et al.	491
DeRycke, P.H., s. Chowdhury, N., et al.	73
Desser, S.S., Li, L.: Ultrastructural observations on the sexual stages and oocyst formation in <i>Eimeria laureleus</i> (Protozoa, Coccidia) of perch, <i>Perca flavescens</i> , from Lake Sasajewun, Ontario	153
Disi, A.M., s. Ajlouni, A.Q., et al.	203
Dogterom, G.E., s. Sluitters, J.F.	485
Drommer, W., s. Schnieder, T., et al.	451
Dunn, A.M., s. Al Saqur, I., et al.	809
Eckert, J., s. Gottstein, B., et al.	385
Edozie Agu, W.: The effect of isometamidium chloride on <i>Trypanosoma vivax</i> occurring within the insect vector (<i>Glossina</i>)	431
El-Assal, F.M., s. Mansour, N.S., et al.	345
El-Assal, F.M., s. Soliman, G.N., et al.	561
El-Dosoky, I., Marck, E.A.E. van, Deelder, A.M.: Presence of <i>Schistosoma mansoni</i> antigens in liver, spleen and kidney of infected mice: a sequential study	491
El Emam, M., s. Pflüger, W., et al.	95
Elowni, E.E.: Immunity to <i>Hymenolepis diminuta</i> : attempts to protect mice by parenteral injection of antigen (Short Communication)	557
Engbæk, K., Madsen, H., Olesen Larsen, S.: A survey of helminths in stray cats from Copenhagen with ecological aspects	87
Entzeroth, R.: Electron microscope study of host-parasite interactions of <i>Sarcocystis muris</i> (Protozoa, Coccidia) in tissue culture and in vivo (Short Communication)	131
Entzeroth, R., s. Danforth, H.D., et al.	165
Erasmus, D.A., s. Popiel, I., et al.	421
Etges, F.J., s. Conn, D.B.	769
Evans, D.A., s. Mandlin, I., et al.	11
Fagbemi, B.O., Christensen, N.Ø.: Delayed expulsion of <i>Hymenolepis diminuta</i> in <i>Trypanosoma brucei</i> infected mice	663
Fairweather, I., s. McCullough, J.S.	797
Flood, M.E.T., s. Maudlin, I., et al.	11
Frankenburg, S., Slutzky, G.M., Gitler, C., Londner, M.V.: Lipid antigens derived from erythrocytes infected with <i>Plasmodium berghei</i>	331
Franz, M., Melles, J., Büttner, D.W.: Electron microscope study of the body wall and the gut of adult <i>Loa loa</i>	525
Fried, B., Pallone, A.: Further studies on in vitro pairing of <i>Echinostoma revolutum</i> (Trematoda) adults	297

Gamarro, F., s. Castanys, S., et al. 443

Ganguli, B.N., s. Chatterjee, D.K., et al. 569

Geraerts, W.P.M., s. Sluiter, J.F. 477

Ghadirian, E., Meerovitch, E.: Lectin-induced agglutination of trophozoites of different species and strains of *Entamoeba* 147

Ghaffar, F.A., s. Bashtar, A.-R., et al. 43, 53

Gitler, C., s. Frankenburg, S., et al. 331

Gomez-Priego, A., s. McLaren, D.J., et al. 381

Goodger, B.V., Commins, M.A., Wright, I.G., Mirre, G.B.: *Babesia bovis*: Vaccination of cattle against heterologous challenge with fractions of lysate from infected erythrocytes 321

Gottstein, B., Eckert, J., Woodtli, W.: Determination of parasite-specific immunoglobulins using the ELISA in patients with echinococcosis treated with mebendazole 385

Graham, D.I., s. Hay, J., et al. 575

Greenblatt, C.L., s. Slutzky, G.M., et al. 549

Grembergen, G. Van, s. Chowdhury, N., et al. 73

Haas, W., s. Roemer, A. van de 391

Haberkorn, A., s. Mehlhorn, H., et al. 173

Häfner, U., Matuschka, F.-R.: Life cycle studies on *Sarcocystis dirumpens* sp.n. with regard to host specificity 715

Häfner, U., s. Matuschka, F.-R. 471

Halton, D.W., Mitchell, J.S.: *Cotylurus erraticus*: section autoradiography of thymidine incorporation during growth and development in vitro 515

Haseeb, M.A.: Studies on larval trematodes infecting freshwater snails in Pakistan. X. Non-virgulate Xiphidiocercariae 637

Hay, J., Aitken, P.P., Graham, D.I.: *Toxoplasma* infection and response to novelty in mice 575

Heidrich, H.-G., Strych, W., Prehm, P.: Spontaneously released *Plasmodium falciparum* merozoites from culture posses glycoproteins 747

Heinonen, R., s. Heydorn, A.O., et al. 709

Heydorn, A.O., Sénaud, J., Mehlhorn, H., Heinonen, R.: *Besnoitia* sp. from goats in Kenya 709

Heydorn, A.O., s. Mehlhorn, H., et al. 731

Heydorn, A.O., s. Sénaud, J., et al. 721

Heywood, P., s. Molyneux, D.H. 553

Honigberg, B.M., s. Kuczyńska, K., et al. 141

Hoole, D., Mitchell, J.B.: *Gorgoderina vitellibola* (Digenea: Gorgoderidae) in *Hyla arborea* (Short Communication) 829

Howell, M.J., s. Beardsell, P.L. 337

Huyer, A.R., s. Meulemann, E.A., et al. 275

Ibarra, O.F., Jenkins, D.C.: An in vitro screen for new fasciolicidal agents 655

Ibarra, O.F., s. Jenkins, D.C. 395

Ishii, A.I.: Fe-rich corpuscles in *Diplogonoporus grandis* detected using X-ray microanalysis 199

Ishii, A.I.: Effects of temperature on the larval development of *Angiostrongylus cantonensis* in the intermediate host, *Biomphalaria glabrata* 375

Iyer, N., s. Chatterjee, D.K., et al. 569

James, B.L., s. Molan, A.L. 509

James, B.L., s. Molan, A.L., et al. 627

Jansen, J.: Abnormal eggs of *Trichuris ovis* (Abildgaard 1795) (Nematoda: Trichuridae) (Short Communication) 827

Jeannin, P., s. Leak, S.G.A. 685

Jenkins, D.C., Ibarra, O.F.: Nematospiroides dubius: response of the late fourth-stage larva to anthelmintics in vitro 395

Jenkins, D.C., s. Ibarra, O.F. 655

Jennings, F.W., Urquhart, G.M., Murray, P.K., Miller, B.M.: The use of 2-substituted 5-nitroimidazoles in the treatment of chronic murine *Trypanosoma brucei* infections with central nervous system involvement 691

Jennings, F.W., s. Al Saqur, I., et al.	809
Jensen, J.B., s. Carlin J.M., et al.	589
Johnson, A.M.: Strain-dependent, route of challenge-dependent, murine susceptibility to toxoplasmosis	303
Joose, J., s. Sluifers, J.F., et al.	67
Kabayo, J.P., s. Maudlin, I., et al.	11
Kalavati, C., Narasimhamurti, C.C.: A new myxosporidian, <i>Rudicapsula esomi</i> n.gen. n.sp., from the fresh-water fish, <i>Esomus</i> sp.	21
Kamiya, H., Blas, B.L.: Application of formalin-fixed <i>Schistosoma japonicum</i> eggs to the circumoval precipitin test (Short Communication)	823
Katende, J., s. Büscher, G., et al.	687
Kaup, F.-J., s. Schnieder, T., et al.	451
Kearn, G.C., s. Rees, J.A.	609
Kemp, D.H., s. Willadsen, P., et al.	415
Knowlesy, R.J., s. Brown, D.S., et al.	243
Kogut, M.H., Long, P.L.: Extraintestinal sporozoites of chicken <i>Eimeria</i> in chickens and turkeys	287
Kouchakji, G.A., Loos-Frank, B.: The validity and morphology of lung mites of the genus <i>Pneumocoptes</i> (Acari: Astigmata)	673
Krasner, R.I., s. Slutzky, G.M., et al.	549
Kuczyńska, K., Choromański, L., Honigberg, B.M.: Comparison of virulence of clones of two <i>Trichomonas vaginalis</i> strains by the subcutaneous mouse assay	141
Lanham, S.M., Miles, M.A., Souza, A.A.A. de, Póvoa, M.M.: Anion-exchange separation for neotropical trypanosomes: a preliminary trial and a description of <i>Trypanosoma devei</i> from the tamarin <i>Saguinus midas niger</i>	311
Lanners, H.N., Trager, W.: Comparative infectivity of knobless and knobby clones of <i>Plasmodium falciparum</i> in splenectomized and intact <i>Aotus trivirgatus</i> mmonkeys	739
Leak, S.G.A., Jeannin, P.: Occurrence of <i>Glossina nashi</i> Potts 1955 Diptera – Glossinidae in the Republic of Gabon	685
Lehmann-Danzinger, H., s. Willers, D.	403
Li, L., s. Desser, S.S.	153
Lloyd, S., s. Bailey, M., et al.	229
Lloyd, S., s. Monsell, G.M., et al.	211
Lloyd, S., s. Mzembe, S.A.T., et al.	753
Lloyd, S., s. Shubber, A.H., et al.	219
Londner, M.V., s. Frankenburg, S., et al.	331
Long, P.L., s. Kogut, M.H.	287
Loos-Frank, B., s. Kouchakji, G.A.	673
Luub, T.W.J., s. Meulemann, E.A., et al.	275
Madsen, H., s. Engbæk, K., et al.	87
Mansour, N.S., Soliman, G.N., El-Assal, F.M.: Studies on experimental mixed infections of <i>Schistosoma mansoni</i> and <i>S. haematobium</i> in hamsters	345
Mansour, N.S., s. Soliman, G.N., et al.	561
Marck, E.A.E. Van, s. El-Dosoky, I., et al.	491
Martin, S.C., s. Bailey, M., et al.	229
Matuschka, F.R., Häfner, U.: Cyclic transmission of an African <i>Besnoitia</i> species by snakes of the genus <i>Bitis</i> to several rodents	471
Matuschka, F.-R., s. Häfner, U.	715
Maudlin, I., Kabayo, J.P., Flood, M.E.T., Evans, D.A.: Serum factors and the maturation of <i>Trypanosoma congolense</i> infections in <i>Glossina morsitans</i>	11
McCullough, J.S., Fairweather, I.: A comparative study of <i>Trilocularia acanthiaevulgaris</i> (Cestoda, Tetrathyllidea) from the stomach and spiral valve of the spiny dogfish	797
McKenna, R.V., s. Willadsen, P., et al.	415
McLaren, D.J., Parkhouse, R.M.E., Philipp, M., Abney, E.R., Gomez-Priego, A., Beltran, F.: Comparative surface ultrastructure of adult <i>Onchocerca volvulus</i> recovered from human nodules by dissection or collagenase digestion	381
McLaren, D.J., s. Tavares, C.A.P., et al.	189

Meerovitch, E., s. Chadee, K.	781
Meerovitch, E., s. Ghadrian, E.	147
Mehlhorn, H., Ortmann-Falkenstein, G., Haberkorn, A.: The effects of sym. Triazinones on developmental stages of <i>Eimeria tenella</i> , <i>E. maxima</i> and <i>E. acervulina</i> . A light and electron microscopical study	173
Mehlhorn, H., Sénaud, J., Heydorn, A.O.: Two types of globidium-cysts of goats	731
Mehlhorn, H., s. Bashtar, A.-R., et al.	29, 43, 53
Mehlhorn, H., s. Heydorn, A.O., et al.	709
Mehlhorn, H., s. Sénaud, J., et al.	721
Melles, J., s. Franz, M., et al.	515
Meulemann, E.A., Huyer, A.R., Luub, T.W.J.: Injection of <i>Lymnaea stagnalis</i> with miracidia of <i>Trichobilharzia ocellata</i> (Short Communication)	275
Miles, M.A., s. Lanham, S.M., et al.	311
Miller, B.M., s. Jennings, F.W., et al.	691
Mirre, G.B., s. Goodger, B.V., et al.	321
Mitchell, J.B., s. Hoole, D.	829
Mitchell, J.S., s. Halton, D.W.	515
Moczoń, T., s. Niewiadomska, K.	537
Mohn, S.F., s. Bjerkås, I., et al.	271
Molan, A.L., Brain, P.F., James, B.L.: The retention and egg production in <i>Microphallus pygmaeus</i> (Levensen 1881) (Digenea: Microphallidae) in gonadectomized and hormone-treated male mice	627
Molan, A.L., James, B.L.: The reduction of worm burden and egg production in <i>Microphallus pygmaeus</i> (Levensen 1881) (Digenea: Microphallidae) induced by a concurrent infection with <i>Hymenolepis nana</i> (Cestoda: Cyclophyllidae)	509
Molyneux, D.H., Heywood, P.: Evidence for the incorporation of virus-like particles into <i>Trypanosoma</i> (Short Communication)	553
Monsell, G.M., Shubber, A.H., Lloyd, S., Soulsby, E.J.L.: Immunological unresponsiveness of lambs to infection with <i>Haemonchus contortus</i> . Modulation of responsiveness by exposure to soluble larval antigen	211
Morrison, W.J., s. Büscher, G., et al.	687
Mouahid, A., s. Oliver, G., et al.	499
Murray, M., s. Al Saqur, I., et al.	809
Murray, P.K., s. Jennings, F.W., et al.	691
Mzembe, S.A.T., Lloyd, S., Soulsby, E.J.L.: Macrophage mediated resistance to <i>Babesia microti</i> in <i>Nematospiroides dubius</i> - infected mice	753
Narasimhamurti, C.C., s. Kalavati, C.	21
Niewiadomska, K., Moczoń, T.: The nervous system of <i>Diplostomum pseudospathaceum</i> Niewiadomska 1984 (Trematoda, Diplostomatidae)	537
Olesen Larsen, S., s. Engbæk, K., et al.	87
Oliver, G., Bourgat, R., Mouahid, A., Touassem, R.: Recherches sur les ultrastructures superficielles de Trematodes parasites d'Amphibiens	499
Omata, Y., s. Sethi, K.K., et al.	699
Onwuliri, C.O.E.: The effect of anaerobiosis on adenosine triphosphate levels in larval <i>Nippostrongylus brasiliensis</i> and <i>Haemonchus contortus</i>	667
Ortmann-Falkenstein, G., s. Mehlhorn, H., et al.	173
Osuna, s. Castanys, S., et al.	443
Otim, B., s. Büscher, G., et al.	687
Pallone, A., s. Fried, B.	297
Parkhouse, R.M.E., s. McLaren, D.J., et al.	381
Payares, G., s. Tavares, C.A.P., et al.	189
Perlmann, P., s. Carlsson, J., et al.	599
Péter, O., Burgdorfer, W., Aeschlimann, A., Chatelanat, P.: <i>Rickettsia conorii</i> isolated from <i>Rhipicephalus sanguineus</i> introduced into Switzerland on a pet dog	265
Pflüger, W., Roushdy, M.Z., El Emam, M.: The prepatent period and cercarial production of <i>Schistosoma haematobium</i> in <i>Bulinus truncatus</i> (Egyptian field strains) at different constant temperatures	95

Philipp, M., s. McLaren, D.J., et al.	381
Phillips, S.M., s. Abdel-Hafez, S.K., et al.	105
Popiel, I., Cioli, D., Erasmus, D.A.: Reversibility of drug-induced regression in female <i>Schistosoma mansoni</i> upon pairing with male worms in vivo (Short Communication)	421
Póvoa, M.M., s. Lanham, S.M., et al.	311
Prehm, P., s. Heidrich, H.-G., et al.	747
Presthus, J., s. Bjerkås, I., et al.	271
Raether, W., Seidenath, H.: Ketoconazole and other potent antimycotic azoles exhibit pronounced activity against <i>Trypanosoma cruzi</i> , <i>Plasmodium berghei</i> and <i>Entamoeba histolytica</i> in vivo (Short Communication)	135
Raether, W., s. Chatterjee, D.K., et al.	569
Raibaut, A., s. Rousset, V.	119
Ramadan, M.M.: <i>Monostephanostomum yamagutii</i> sp. nov. (Trematoda: Acanthocolpidae) – Intestinal Parasite of a Lethrinid Fish from the Red Sea	183
Rees, J.A., Kearn, G.C.: The anterior adhesive apparatus and an associated compound sense organ in the skinparasitic monogenean <i>Acanthocotyle lobianchi</i>	609
Rehbein, G., s. Ahmed, J.S., et al.	819
Roemer, A. van de, Haas, W.: Fine structure of a lens-covered photoreceptor in the cercaria of <i>Trichobilharzia ocellata</i>	391
Rommel, M., s. Schnieder, T., et al.	451
Ross, G.C., s. Brown, D.S., et al.	243
Rossi, R. de, Tavares, C.A.P., et al.	189
Roubos, E.W., s. Sluiters, J.F., et al.	67
Roushdy, M.Z., s. Pflüger, W., et al.	95
Rousset, V., Raibaut, A.: Conséquences anatomo-fonctionnelles des parasitoses à <i>Pharodes banyulensis</i> Delamare Deboutteville, 1951 (Copepoda, Poecilostomatoida, Pharodidae) sur <i>Blennius pavo</i> Risso, 1810 (Pisces, Teleostei, Blenniidae) du bassin de Thau (côte méditerranéenne française)	119
Ruiz-Pérez, L.M., s. Castanys, S., et al.	443
Saliba, E.K., s. Ajlouni, A.Q., et al.	203
Al Saqr, I., Armour, J., Bairden, K., Dunn, A.M., Jennings, F.W., Murray, M.: Experimental studies on the interaction between infections of <i>Ostertagia leptospicularis</i> and other bovine <i>Ostertagia</i> species	809
Sarfati, C., s. Brown, D.S., et al.	243
Schaub, G.A., Schottelius, J.: Identification of trypanosomes isolated from reduviidae from North Chile	3
Schaub, G.A., s. Böker, C.A.	459
Schein, E., s. Ahmed, J.S., et al.	819
Schnieder, T., Kaup, F.-J., Drommer, W., Thiel, W., Rommel, M.: Zur Feinstruktur und Entwicklung von <i>Sarcocystis aucheniae</i> beim Lama	451
Schnur, L.F., s. Slutzky, G.M., et al.	549
Schottelius, J., s. Schaub, G.A.	3
Seidenath, H., s. Raether, W.	135
Sénaud, J., Heydorn, A.O., Mehlhorn, H.: Three new types of globidium of sheep: an in vivo and in vitro investigation	721
Sénaud, J., s. Heydorn, A.O., et al.	709
Sénaud, J., s. Mehlhorn, H., et al.	731
Sethi, K.K., Omata, Y., Brandis, H.: Topographical localization of distinct antigenic domains of <i>Toxoplasma gondii</i> with the aid of monoclonal antibodies	699
Shubber, A.H., Lloyd, S., Soulsby, E.J.L.: Immunological unresponsiveness of lambs to infection with <i>Haemonchus contortus</i> . Effect of infection in the ewe on the subsequent responsiveness of lambs	219
Shubber, A.H., s. Monsell, G.M., et al.	211
Simpson, A.J.G., s. Tavares, C.A.P., et al.	189
Sluiters, J.F., Dogterom, G.E.: The effect of infection of <i>Lymnaea stagnalis</i> with <i>Trichobilharzia ocellata</i> on the presence of and reactivity to the ovulation hormone of the host	485

Sluifers, J.F., Geraerts, W.P.M.: Effects of elevated haemolymph levels of the female gonadotropic dorsal body hormone on the cercarial production of *Trichobilharzia ocellata* in *Lymnaea stagnalis* 477

Sluifers, J.F., Roubos, E.W., Joosse, J.: Increased activity of the female gonadotropic hormone producing Dorsal Bodies in *Lymnaea stagnalis* infected with *Trichobilharzia ocellata* 67

Slutzky, G.M., Yarus, S., Krasner, R.I., Schnur, L.F., Greenblatt, C.L.: Leishmanial excreted factors (EF) are distinguished by characteristic electrophoretic mobilities (Short Communication) 549

Slutzky, G.M., s. Frankenburg, S., et al. 331

Smithers, S.R., s. Tavares, C.A.P., et al. 189

Soliman, G.N., Mansour, N.S., El-Assal, F.M.: On the infra specific variations in the frequency of supernumerary testes in *Schistosoma mansoni* (Short Communication) 561

Soliman, G.N., s. Mansour, N.S., et al. 345

Soulsby, E.J.L., s. Bailey, M., et al. 229

Soulsby, E.J.L., s. Monsell, G.M., et al. 211

Soulsby, E.J.L., s. Mzembe, S.A.T., et al. 753

Soulsby, E.J.L., s. Shubber, A.H., et al. 219

Southgate, V.R., s. Brown, D.S., et al. 243

Souza, A.A.A. de, s. Lanham, S.M., et al. 311

Strych, W., s. Heidrich, H.-G., et al. 747

Tavares, C.A.P., Rossi, R. de, Payares, G., Simpson, A.J.G., McLaren, D.J., Smithers, S.R.: A monoclonal antibody raised against adult *Schistosoma mansoni* which recognizes a surface antigen on schistosomula 189

Thiel, W., s. Schnieder, T., et al. 451

Touassem, R., s. Oliver, G., et al. 499

Trager, W., s. Lanners, H.N. 739

Udonsi, J.K.: Changes in lipid contents of infective third-stage larvae of *Necator americanus* during desiccation and revival 81

Urquhart, G.M., s. Jennings, F.W., et al. 691

Vande Waa, J.A., s. Carlin, J.M., et al. 589

Willadsen, P., Kemp, D.H., McKenna, R.V.: Bloodmeal ingestion and utilization as a component of host specificity in the tick, *Boophilus microplus* 415

Willers, D., Lehmann-Danzinger, H.: Überleben endoparasitischer Hymenopteren in Puppen von Lepidopteren durch Hemmung der Phenoloxidase 403

Wilson, G.G.: Pathogenicity of *Nosema disstriae*, *Pleistophora schubergi* and *Vairimorpha necatrix* (Microsporida) to larvae of the forest tent caterpillar, *Malacosoma disstria* 763

Woodtli, W., s. Gottstein, B., et al. 385

Wright, I.G., s. Goodger, B.V., et al. 321

Yarus, S., s. Slutzky, G.M., et al. 549

Zodda, D.M., s. Abdel-Hafez, S.K., et al. 105

Referee acknowledgement 139

Indexed in Current Contents

Abstracted in Helminthological Abstracts Series A and Protozoological Abstracts

